BUILDING INSPECTION REPORT

and

MANAGEMENT PLAN

for

ASBESTOS-CONTAINING MATERIALS

BROWN MEMORIAL PRESBYTERIAN CHURCH
6200 NORTH CHARLES STREET AT WOODBROOK LANE
BALTIMORE, MARYLAND 21212-1098

Prepared by
GERALD C. BEAUCHESNE AND ASSOCIATES
904 Breezewick Circle
Baltimore, Maryland 21204

PLAN DEVELOPED BY:

Gerald C. Beauchesne
EPA AHERA Inspector RWJ0004A
AHERA Management Planner RWJ0003B

Date: 8/30/88

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I. INTRODUCTION

I. INTRODUCTION

This report was completed by GERALD C. BEAUCHESNE AND ASSOCIATES for the Brown Me Presbyterian Church, which is located at 6200 North Charles Street at Woodbrook Lane, Baltimore, Maryland 21212-1098. The inspection consisted of bulk sampling all material, both friable and non-friable, considered to be asbestos-containing building material (ACBM). The inspection included all floors and basement of the main building as well as the fellowship wing.

This report consists of three chapters. The first component is the INSPECTION REPORT. Actual samples were taken and sent to a qualified laboratory to be tested by polarized light microscopy to understand the type and content of the asbestos. The purpose of the inspection is to determine whether the ACM is present in the building and an assessment of the condition and location of the ACM. This inspection report provides the information to estimate the degree of current and potential hazard posed by ACM and serves as a basis for the types of corrective actions in the overall management plan for asbestos in your school.

The second chapter of this report is the MANAGEMENT PLAN. The management plan is used as a planning tool in handling the asbestos program. It summarizes the inspection results and develops response actions, reinspection timetables and long-term surveillance activities.

The third chapter is the OPERATION/MAINTENANCE AND REPAIR PROGRAM (O & M PROGRAM). The O & M Program focuses on the activities of custodial and maintenance workers and service contractors in maintaining a building free of asbestos contamination through special work practices designed to minimize the disturbance of ACM.

A. BRIEF HISTORY OF GERALD C. BEAUCHESNE AND ASSOCIATES

Mr. Beauchesne has inspected and prepared analyses for hundreds of properties in Maryland and Washington for individual clients and real estate firms, including both residential and commercial buildings. Inspections include all systems, structural integrity, safety conditions and presence and condition of asbestos.

His experience as a licensed contractor and his formal training with the Property Inspector's Training Institute gives him an in-depth understanding of the various conditions and components of all types of building construction and materials.

Mr. Beauchesne completed one of the earliest asbestos inspection licensing courses through the Robert Woods Johnson School of Medicine, Mid-Atlantic Asbestos Training Center at Rutgers University in November 1987. He is fully licensed and accredited by the EPA.

In business since 1983, Mr. Beauchesne has an excellent following of satisfied clients because of the completeness of the inspections and his devotion to the best interests of his clients.

Mr. Beauchesne lectures on various aspects of building inspection for many recognized real estate training programs. He is currently developing Asbestos Training Programs for the school asbestos coordinators and school maintenance personnel. His experience as a teacher also goes a long way in helping his individual clients and schools understand their properties and how to make them function safely, economically and comfortably.

B. ACCREDITATION

For your records, the accreditation credentials for GERALD C. BEAUCHESNE AND ASSOCIATES are shown below:

Gerald C. Beauchesne:	Inspector's License Number RWJ0004A Management Planner Number RWJ00038 Maryland Construction 799522

Accreditation may be verified by calling the Mid-Atlantic Asbestos Training Center (sponsored by the U.S. Environmental Protection Agency) at:

The University of Medicine and Dentistry
of New Jersey
Robert Wood Johnson Medical School (Rutgers)
675 Hoes Lane
Piscataway, New Jersey 08854-5635
Telephone 201=463=4500

or

Mr. Dan LaHart, Senior Industrial Hygienist
Accreditation Division, Room 214
Maryland Department of the Environment
201 West Preston Street
Baltimore, Maryland 21201
Telephone 301-225-5755

UMD
NEW JERSEY

University of Medicine and Dentistry of New Jersey
Robert Wood Johnson Medical School
Piscataway, New Jersey

Exhibit I.B.1.

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This is to certify that

GERALD C. BEAUCHESNE

CERTIFICATE #RWJ0003B

has successfully completed the course entitled

MANAGING ASBESTOS IN BUILDINGS

conducted by the
MID-ATLANTIC ASBESTOS TRAINING CENTER
(Sponsored by U.S. Environmental Protection Agency)
Office of Consumer Health Education
Department of Environmental and Community Medicine

NOVEMBER 19-20, 1987
Date

Acting Center Director

Course Director

UMD
NEW JERSEY

Exhibit I.B.2.

University of Medicine and Dentistry of New Jersey
Robert Wood Johnson Medical School
Piscataway, New Jersey

This is to certify that

GERALD C. BEAUCHESNE

CERTIFICATE #RWJ0004A

has successfully completed the course entitled

INSPECTING BUILDINGS FOR ASBESTOS CONTAINING MATERIALS

conducted by the
MID-ATLANTIC ASBESTOS TRAINING CENTER
(Sponsored by U.S. Environmental Protection Agency)
Office of Consumer Health Education
Department of Environmental and Community Medicine

NOVEMBER 16-18, 1987
Date

Audrey K Gotsch
Center Director

Course Director

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II. THE ASBESTOS PROBLEM

II. THE ASBESTOS PROBLEM

A. BACKGROUND ON EXPOSURE TO ASBESTOS

Construction materials containing asbestos materials have been used extensively in schools and other buildings. The concern about exposure to asbestos in these buildings is based on evidence linking various respiratory diseases with occupational exposure in the shipbuilding, mining, and fabricating industries. The presence of asbestos in a building does not mean that the health of the building occupants is endangered. If asbestos-containing material (ACM) remains in good condition and is unlikely to be disturbed, exposure will be negligible. However, when ACM is damaged or disturbed (for example, by maintenance or repairs conducted without proper controls), asbestos fibers are released. These fibers can create a potential hazard for building occupants.

Asbestos may be found in cement products, acoustical plaster, fireproofing textiles, wallboard, ceiling tiles, vinyl floor tiles, thermal insulation, and other materials. EPA surveys estimate that 31,000 schools and 733,000 federal and commercial buildings have ACM in one form or another (USEPA 1984a, 1984b). ACM has been grouped into three categories: (1) sprayed- or troweled-on materials on ceilings, walls, and other surfaces; (2) insulation on pipes, boilers, tanks, ducts, and other equipment; and (3) other miscellaneous products. Material in the first two categories can be friable, that is, it can be crumbled, pulverized, or reduced to powder by hand pressure. Most ACM in the third category is nonfriable. Friable materials are more likely than nonfriable materials to release fibers when disturbed or damaged. Although nonfriable ACM is of less immediate concern, it should not be ignored. Fibers will be released if nonfriable material is cut, drilled, sanded, or broken during building repairs or renovation.

B. DISEASES ASSOCIATED with EXPOSURE to ASBESTOS

Much of what is known about asbestos-related diseases comes from studying workers in the various asbestos industries. Exposure levels of airborne asbestos typical of the asbestos workplace prior to 1972 has been linked with a debilitating lung disease called asbestosis; a rare cancer of the chest and abdominal lining called mesothelioma; and cancers of the lung, esophagus, stomach, colon, and other organs. In 1972 federal exposure standards were imposed.

The relationship between exposure level and health risk is complex. The potential for disease appears to be related to the physical and chemical characteristics of asbestos fibers as well as to the concentration of fibers in the air. Data on asbestos workers indicate that the risks of asbestosis, lung cancer, and mesothelioma decrease in direct proportion to a decrease in total asbestos dose. Because there is no direct information on health risks from exposure to asbestos in buildings with ACM, the risks are estimated by extrapolation from studies of asbestos industry workers (Nicholson 1984, The Royal Commission of Ontario 1984). The estimates indicate that only a small proportion of people exposed to low levels of asbestos will develop asbestos-related diseases. However, combining smoking with occupational exposure to asbestos increases the lung cancer rate above the rate due to either smoking or asbestos exposure alone. Also, asbestos exposure in children is of special concern: since they have a greater remaining lifespan than adults, their lifetime risk of developing mesothelioma is greater. Avoiding unnecessary exposure to asbestos is prudent.

C. FEDERAL REGULATIONS REGARDING ASBESTOS in BUILDINGS

Current regulations (1) restrict the use of most asbestos products in new buildings, (2) specify work practices for removal of ACM from buildings, and (3) require the identification of asbestos in schools. There are no exposure standards for nonindustrial settings, and no regulations requiring corrective actions in buildings with ACM. A complete copy of the Federal Regulations (40 CFR Part 763) Asbestos-Containing Materials in Schools, can be found in Appendix A.

CHAPTER ONE
THE INSPECTION REPORT

I. DESCRIPTION OF INSPECTION FINDINGS

I. DESCRIPTION OF INSPECTION FINDINGS

The test results showed that three materials tested contained asbestos. Asbestos was assumed to exist in two materials found in the Brown Memorial Presbyterian Church: thermal system insulation (TSI) and vinyl asbestos tile flooring.

A. TESTED MATERIALS CONTAINING ACBM

1. Homogeneous Area (Random), Sample #BMSLBRGB28

   This sample was taken from the boiler room in the main building. It consisted of boiler lagging insulation of a plaster type. The sample was taken from the material around the hatch handle at Boiler #2.

   The material contained 70% amosite asbestos.

   The potential for contact is moderate, the influence of vibration is high, and the potential for air erosion is low.

2. Homogeneous Area (Random), Sample #BMSLBRGB29

   The sample consisted of a plaster-type material that came from the insulation around the A/C duct system in the boiler room in the main building. The sample was taken from the air duct to the right of Boiler #2.

   The composition of the sample was 70% chrysotile asbestos.

   The condition of the material was fair and the potential for contact and air erosion and the influence of vibration were rated moderate.

2. Homogeneous Area (Random), Sample #BMFLBRGB30

   This sample was located in the boiler room in the Fellowship Building. It consisted of the plaster lagging insulation around the A/C duct. The sample was taken directly across from the entrance behind the electrical conduit.

   The sample contained 70% chrysotile asbestos.

   The condition of the material was fair and the potential for contact and air erosion and the influence of vibration were rated moderate.

B. THERMAL SYSTEM INSULATION (TSI)

Location: Brown Memorial Presbyterian Church

Rooms	Corridors	Stairwells	Other
44			Boiler Room Storage Room

This area consists of approximately _____ linear feet.

Generally speaking, the TSI in these areas was in good condition. The potential for contact was moderate, the influence of vibration was low, and the potential for air erosion was low.

C. VINYL ASBESTOS FLOOR TILE

Location: Brown Memorial Presbyterian Church

Rooms	Corridors	Stairwells	Other
33	Lower	South	Boiler Storage 31
38	Main		Main Lobby
39	NW (Fellowship)		Church Office
13/14/15			Chapel
8			Ladies'/Men's RR
11			Choir Master's Office
10			Library 16
9			Game Room
12			Choir Corridor/Vestment
17			Kitchen
42			Dining Room
36			Choir Room
41			Robing Rooms
37			Kitchen (Fellowship)
40			Youth Center
44			Youth Kitchen

These areas cover approximately _____ square feet. The vinyl asbestos floor tile was good in all areas. However, because it is floor tile, the potential for contact is high. The influence of vibration and the potential for air erosion are low.

These inspection results are summarized in Table I.A. The actual test results are listed by individual sample in the section entitled PRELIMINARY RESULTS under Inspection Sample Information Log.

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Boiler Storage	31		Good	Contact: Moderate Vibration: Low Air Erosion: Low	155 lin. feet	TSI	Continue O&M. Take preventive measures to reduce disturbance. Number (7) indicates priority for removal.
			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs, or until hazard assessment factors change.
Storage room (behind boiler)			Good	Contact: Moderate Vibration: Low Air Erosion: Low	130 lin. feet	TSI	Continue O&M. Take preventive measures to reduce disturbance. Number (7) indicates priority for removal.
Lower Corridor & Main Lobby			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	33		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	38		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SCI L Brown Memorial

AREA Main

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Room	39		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	13/14/15		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	8		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Main Corridor			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Church Office, etc.			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SC L Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Room	11		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	10		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	9		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	12		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Chapel			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SC)L Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
South Stairwell			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Ladies' Restroom			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Men's Restroom			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Library	16		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	17		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SCI L Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Room	42		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	36		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	41		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	37		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Room	40		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Room	44		Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
FELLOWSHIP							
Choir Master's Office			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Game Room			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Choir Corridor & Vestment			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Kitchen			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SC L Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Dining Room			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Choir Room			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Robing Rooms (men & women)			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Kitchen Corridor			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
NW Corridor off of main lobby			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl asbestos tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

SCI _ Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

ASSUMED ACBM

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Youth Center, Main Room			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.
Youth Kitchen			Good	Contact: High Vibration: Low Air Erosion: Low		Vinyl Asbestos Tile	Continue O&M until major renovation or demolition requires removal under NESHAPs or until hazard assessment factors change.

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Boiler Room (Main)	32	BMSLBRGB25				No asbestos found	
		BMSLBRBG26				No asbestos found	
		BMSLBRGB28	Good	Contact: Moderate Vibration: High Air Erosion Low	Plaster, boiler lagging insulation	70% amosite asbestos	Continue O&M. Take preventive measures to reduce disturbance. Number (6) indicates priority for removal.
		BMSLBRGB29	Fair	Contact: Moderate Vibration: Moderate Air Erosion Moderate	Plaster, insulation around A/C duct	70% chrysotile asbestos	Repair, continue O&M. Number (3) indicates priority if all repairs cannot be done immediately.
Boiler Room (Fellowship)		BMFLBRGB27				No asbestos found	
		BMFLBRGB30	Fair	Contact: Moderate Vibration: Moderate Air Erosion Moderate	Plaster, insulation around A/C duct	70% chrysotile asbestos	Repair, continue O&M. Number (3) indicates priority if all repairs cannot be done immediately.
		BMFLBRGB30(QA)					
Lower Corridor & Main Lobby		BMSLLGB19				No asbestos found	

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
		BMSLEBG11				No asbestos found	
		BMSLMCGB09				No asbestos found	
Room	33	BMSM33GB10				No asbestos found	
		BMSM33GB10(QA)				No asbestos found	
Room	38	BMSL38GB18				No asbestos found	
Room	39	BMSL39GB14				No asbestos found	
Main Lobby		BMSMECGB07				No asbestos found	
Room	13/14/15	BMSM13GB01				No asbestos found	
		BMSM13GB15				No asbestos found	
Room	8	BMSM8GB02				No asbestos found	
		BMSM8GB16				No asbestos found	

SC L Brown Memorial

AREA Main Building

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Main Corridor		BMSMNCGB03				No asbestos found	
Church Office, etc.		BMSM)GB05				No asbestos found	
Parlor		BMSM18GGB04				No asbestos found	
Room	11	BMSM11GB24				No asbestos found	
Room	10	BMSM11GB23				No asbestos found	
Room	9	BMSM9GB22				No asbestos found	
FELLOWSHIP							
Lobby		BMFMEGB06				No asbestos found	
Chapel		BMFMCGB08				No asbestos found	
		BMFMGB21				No asbestos found	

TABLE 1A
SUMMARY OF INSPECTION FINDINGS

Functional Area	Room No.	Sample No.	Condition of Suspect Material	Assessment of Potential for Disturbance	Other Data	ACM Present	Plan
Choir Master's Office		BMFMCMOGB12				No asbestos found	
Game Room		BMFLYGGB13				No asbestos found	
Choir Corridor/Vestment		BMFMVGB17				No asbestos found	
Men's Room		BMFMMKGB20				No asbestos found	
		BMFMMRGB20(QA)				No asbestos found	
Ladies' Room							

BROWN MEMORIAL
WOODBROOK PRESBYTERIAN CHURCH

Jonathan E. Oglesbee
Pastor

October 13, 2003

Gerald C. Beauchesne
904 Breezewick Circle
Baltimore, MD 21286

Dear Gerry:

Could you please sign and return one copy of this letter where indicated below, to verify the following:

- that you have, in fact, completed the required three-year asbestos inspection of our building this year; and
- that the inspection report is currently in process and will be delivered to us upon completion.

Thank you, and if you have any questions, please contact me on Extension 15.

Sincerely,

Ellen Seward
Church Administrator

Enclosure

ACKNOWLEDGED AND CONFIRMED:

_____ _____

Gerald C. Beauchesne, President
Gerald C. Beauchesne & Associates

Date

6200 N. Charles Street
Baltimore, Maryland 21212-1098

Phone - 410-377-7232
Fax - 410-377-9115

www.brownmemorialwoodbrook.org

Periodic inspection by designated person under Section 763.84 at six month intervals.

Date of Inspection	Condition Found	Designated Person
3/15/89	No Change	Allen Moore
9/15/89	No Change	Allen Moore
3/12/90	No Change	Allen Moore
9/17/90	No Change	Allen Moore
3/18/91	No Change	Allen Moore
9/12/91	Improved - insulation on boilers and utility room air ducts encapsulated	Allen Moore
3/5/92	Small tears in canvas patched	Allen Moore
9/14/92	No Change	Allen Moore

1/13/93 Asbestos Removal Company of Maryland, Inc. ARC Removed Approx. 6 Inches of Asbestos From Each of the #7, #8, #9, #10 Circulating Pumps Suction Line, From Pump Suction To Union,

John H Campbell

1/20/93 Asbestos Removal Company of Maryland, Inc ARC Removed Approx. 8 Inches of Asbestos From Each of the #8, #9, #10 Circulating Pumps Discharge Line, From Pump Discharge To Union.

John H Campbell

5/7/93 Asbestos Removal Company of Maryland, Inc. ARC Removed Approx 2 FT of Asbestos From Each of the #3, #4, #5 Circulating Pumps Suction & Discharge Lines Ends Were Encapsulated.

John H Campbell

6/14 & 6/15/93 Asbestos Removal Company of Maryland, Inc ARC Removed All Asbestos & Fiberglass Insulation From All Piping In The Tunnel Ends Were Encapsulated

John H Campbell

6/15 Air Analysis Associates, Inc Performed Air Monitoring on Work By ARC. Report No. 25869

John H Campbell

7/21/93 ASBESTOS REMOVAL COMPANY OF MARYLAND, INC.

AIR ANALYSIS ASSOCIATES, INC. PERFORMING MONITORING FUNCTIONS

1. REMOVED ASBESTOS FROM BOILERS AND ASSOCIATED PIPING IN EAST BUILDING.
2. REMOVED ASBESTOS FROM WATER LINES TO "OLD" JANITOR CLOSET.
3. REMOVED ASBESTOS FROM PIPING IN CRAWL SPACE FROM TUNNEL TO MECHANICAL ROOM. ALL WITHIN CONFINES, WEST BUILDING.
4. REMOVED ASBESTOS FOM PIPING IN MECHANICAL ROOM IN WEST BUILDING.

5/ /94 ASBESTOS REMOVAL COMPANY OF MARYLAND, INC

REMOVED ASBESTOS COVERING PIPING IN BACK STORAGE ROOM, EAST BLDG APPROX 8' TOTAL.

6/10/94 ASBESTOS REMOVAL COMPANY OF MARYLAND, INC

REMOVED PATCH OF ASBESTOS COVERING ON DUCT, FRESH AIR DUCT, APPROX 2'x2', IN MECHANICAL ROOM OF EAST BUILDING.

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 06-15-93

CLIENT NO. 1804

PROJECT NO. 2168

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

ANALYTE: AIRBORNE FIBERS

REPORT NO. 25869

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
06-15-93	4JM-06-001	PERSONAL: JIM WALLACE SS #217-90-2505	610	0.06
06-15-93	4JM-06-002	INSIDE WORK AREA - TUNNEL #44	610	0.033
06-15-93	4JM-06-003	INSIDE CLEAN ROOM	620	NFO
06-15-93	4JM-06-004	OUTSIDE WORK AREA - BY DOOR TO ROOMS 31-32	610	NFO

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
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FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 06-16-93

CLIENT NO. 1804

PROJECT NO. 2168

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

ANALYTE: AIRBORNE FIBERS

REPORT NO. 25870

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
06-15-93	4JM-06-005	10FT FROM CRAWL SPACE - TUNNEL #44	1275	0.0019
06-15-93	4JM-06-006	20FT FROM CRAWL SPACE - TUNNEL #44	1275	0.0023
06-15-93	4JM-06-007	CENTER OF TUNNEL #44	1290	0.0015
06-15-93	4JM-06-008	10FT FROM DECONTAMINATION CHAMBER	1275	0.0019
06-15-93	4JM-06-009	20FT FROM DECONTAMINATION CHAMBER	1290	0.0022

THESE SAMPLES ARE FINALS

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NFO = NO FIBERS OBSERVED IN 100 FIELDS
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TCTQ = TOO CLUTTERED TO QUANTIFY

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AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

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ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-26-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26123

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-22-93	4JM-07-035	PRE-SAMPLE - CENTER OF BOILER ROOM - ROOMS 31 & 32	900	NFO

AL = ACTION LEVEL
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PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT

COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, PE

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-26-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET - BOILER ROOM
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26124

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-23-93	4JM-07-036	PERSONAL: ALEX CASALDA SS #215-23-6541	330	0.013
07-23-93	4JM-07-037	INSIDE WORK AREA	340	0.018
07-23-93	4JM-07-038	IN CLEAN ROOM OF DECONTAMINATION CHAMBER	340	0.0014
07-23-93	4JM-07-039	AT NEGATIVE AIR EXHAUST	340	NFO

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PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT

COLLECTED BY: 11111

air analysis associates, inc.

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FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-29-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26146

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-26-93	8JW-07-005	OUTSIDE WORK AREA - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	960	.002
07-26-93	8JW-07-006	PERSONAL: ALEX CASALDA SS #215-23-6541 - HALF-FACE RESPIRATOR	970	.011
07-26-93	8JW-07-007	WORK AREA - IN CENTER OF BOILER ROOM	960	.009

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PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH

COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, PES

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26159

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-27-93	8JW-07-008	OUTSIDE WORK AREA - BOILER ROOM - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	930	.002
07-27-93	8JW-07-009	PERSONAL: EDWARD NADOLNY SS #212-60-8669 - HALF-FACE RESPIRATOR - BOILER ROOM	950	.008
07-27-93	8JW-07-010	WORK AREA - BOILER ROOM - IN CENTER OF ROOM	960	.005

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PEL = PERMISSIBLE EXPOSURE LIMIT
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TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26160

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-28-93	8JW-07-017	OUTSIDE WORK AREA - BOILER ROOM - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	980	NFO
07-28-93	8JW-07-018	PERSONAL: ALEX CASALDA SS #215-23-6541 - HALF-MASK RESPIRATOR - BOILER ROOM	970	.005
07-28-93	8JW-07-019	WORK AREA - IN CENTER OF BOILER ROOM	970	.004
07-28-93	8JW-07-020	PRE-SAMPLE - TUNNEL CRAWL SPACE - IN CENTER OF RAISED AREA	1050	.007
07-28-93	8JW-07-021	PRE-SAMPLE - CHURCH MECHANICAL ROOM - ON TOP OF AIR HANDLING UNIT	950	.001

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PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH

COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, REC

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93
CLIENT NO. 1804
PROJECT NO. 2245
REF. NO. 03193

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: ASBESTOS FIBERS
REPORT NO. 26164

METHOD: TRANSMISSION ELECTRON MICROSCOPY (TEM)

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS AS/MM^2
07-29-93	8JW-07-162	BOILER ROOM - CENTER OF AREA - BETWEEN BOILERS	1800	NSD
07-29-93	8JW-07-163	BOILER ROOM - NORTHWEST CORNER - ON LEDGE OF NORTH BOILER	1800	NSD
07-29-93	8JW-07-164	BOILER ROOM - NORTHEAST CORNER - ON LEDGE OF NORTH BOILER	1800	NSD
07-29-93	8JW-07-165	BOILER ROOM - SOUTHEAST CORNER - ON LEDGE OF SOUTH BOILER	1800	NSD
07-29-93	8JW-07-166	BOILER ROOM - SOUTHWEST CORNER	1800	NSD

THESE SAMPLES ARE FINALS

EPA AHERA REGULATIONS REQUIRE <70 AS/MM^2 FOR A FIVE SAMPLE AVERAGE.

AHERA = ASBESTOS HAZARD EMERGENCY RESPONSE ACT
AS/MM^2 = ASBESTOS STRUCTURES PER SQUARE MILLIMETER
EPA = ENVIRONMENTAL PROTECTION AGENCY
NSD = NO STRUCTURES DETECTED

ANALYST: J. WARD, IH
COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1304

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26161

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-29-93	8JW-07-022	WORK/FINAL - INSIDE ROOM - DURING GLOVE BAG ABATEMENT	1140	.003

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	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

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ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 06-15-93

CLIENT NO. 1804

PROJECT NO. 2168

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

ANALYTE: AIRBORNE FIBERS

REPORT NO. 25869

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
06-15-93	4JM-06-001	PERSONAL: JIM WALLACE SS #217-90-2505	610	0.06
06-15-93	4JM-06-002	INSIDE WORK AREA - TUNNEL #44	610	0.033
06-15-93	4JM-06-003	INSIDE CLEAN ROOM	620	NFO
06-15-93	4JM-06-004	OUTSIDE WORK AREA - BY DOOR TO ROOMS 31-32	610	NFO

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	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

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ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER. CIH. CSP. RES

COLLECTED BY: 11111

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LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 06-16-93

CLIENT NO. 1804

PROJECT NO. 2168

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

ANALYTE: AIRBORNE FIBERS

REPORT NO. 25870

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
06-15-93	4JM-06-005	10FT FROM CRAWL SPACE - TUNNEL #44	1275	0.0019
06-15-93	4JM-06-006	20FT FROM CRAWL SPACE - TUNNEL #44	1275	0.0023
06-15-93	4JM-06-007	CENTER OF TUNNEL #44	1290	0.0015
06-15-93	4JM-06-008	10FT FROM DECONTAMINATION CHAMBER	1275	0.0019
06-15-93	4JM-06-009	20FT FROM DECONTAMINATION CHAMBER	1290	0.0022

THESE SAMPLES ARE FINALS

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

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FAX BALTO. 301-235-6240 • FAX VA 703-329-9064

FINAL AIR SAMPLING CONSULTATION FORM

JOB SITE: [illegible] Baltimore, MD

CLIENT: Brown Memorial Church

A.A.A. ACCOUNT NO. 1804 DATE RECVD.: 6/15/92

ANALYST'S NAME: J. Marroquin II

PROJECT #: [illegible] REPORT #:

PUMP NO.	SAMPLE DATE	SAMPLE NO.	LABORATORY NO.	AREA / PURPOSE OF SAMPLES EMPLOYEE ID OR SS#	TIME START	TIME STOP	TOTAL MIN.	FLOW RATE LPM	VOL. (L)	RESULTS F/CC	FILTER SIZE	REPORTED/ OTHER
E 35	6/15/92	BCM 005	L93M06-005	20 ft From Crawl Space Tunnel #44 FINAL	1:35 P.M.	3:00 P.M.	85	15.0	1275			
E 13	6/15/92	BCM 006	L93M06-006	20 ft From Crawl Space Tunnel #44 FINAL	1:35 P.M.	3:00 P.M.	85	15.0	1275			
E 20	6/15/92	BCM 007	L93M06-007	Center of Tunnel #44 FINAL	1:36 P.M.	3:02 P.M.	86	15.0	1290			
E 41	6/15/92	BCM 008	L93M06-008	10 ft From Decon Chamber FINAL	1:37 P.M.	3:02 P.M.	85	15.0	1275			
E 13	6/15/92	BCM 009	L93M06-009	20 ft From Decon Chamber FINAL	1:38 P.M.	3:04 P.M.	86	15.0	1290			

EMPLOYEE'S NAME: J. Marroquin

DATE	START	STOP	TOTAL
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
TOTAL WORK/TRAVEL TIME			

EMPLOYEE'S NAME:

DATE	START	STOP	TOTAL
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
TOTAL WORK/TRAVEL TIME			

JOB ACTIVITY REPORT: 2 of 2

CLIENT'S SIGNATURE [illegible] DATE

AAA - FAS 3-1-89

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FINAL AIR SAMPLING CONSULTATION FORM

JOB SITE: _____

CLIENT: _____

A.A.A. ACCOUNT NO. 1504 DATE RECVD.: _____

ANALYST'S NAME: _____

PROJECT #: _____ REPORT #: _____

PUMP NO.	SAMPLE DATE	SAMPLE NO.	LABORATORY NO.	AREA / PURPOSE OF SAMPLES EMPLOYEE ID OR SS#	TIME START	TIME STOP	TOTAL MIN.	FLOW RATE LPM	VOL. (L)	RESULTS F/CC	FILTER SIZE	REPORTED/ OTHER

EMPLOYEE'S NAME:

DATE	START	STOP	TOTAL
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
TOTAL WORK/TRAVEL TIME			

EMPLOYEE'S NAME:

DATE	START	STOP	TOTAL
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
	A.M. P.M.	A.M. P.M.	
TOTAL WORK/TRAVEL TIME			

JOB ACTIVITY REPORT: _____

CLIENT'S SIGNATURE _____ DATE

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-26-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26123

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-22-93	4JM-07-035	PRE-SAMPLE - CENTER OF BOILER ROOM - ROOMS 31 & 32	900	NFO

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-26-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET - BOILER ROOM
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26124

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-23-93	4JM-07-036	PERSONAL: ALEX CASALDA SS #215-23-6541	330	0.013
07-23-93	4JM-07-037	INSIDE WORK AREA	340	0.018
07-23-93	4JM-07-038	IN CLEAN ROOM OF DECONTAMINATION CHAMBER	340	0.0014
07-23-93	4JM-07-039	AT NEGATIVE AIR EXHAUST	340	NFO

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
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PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL:	0.1 F/CC
EPA - RL:	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. MARROQUIN, IHT
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 07-29-93

CLIENT NO. 1804

PROJECT NO. 2244

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26146

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-26-93	8JW-07-005	OUTSIDE WORK AREA - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	960	.002
07-26-93	8JW-07-006	PERSONAL: ALEX CASALDA SS #215-23-6541 - HALF-FACE RESPIRATOR	970	.011
07-26-93	8JW-07-007	WORK AREA - IN CENTER OF BOILER ROOM	960	.009

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TOTO = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL:	0.1 F/CC
EPA - RL:	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26153

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-27-93	8JW-07-008	OUTSIDE WORK AREA - BOILER ROOM - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	930	.002
07-27-93	8JW-07-009	PERSONAL: EDWARD NADOLNY SS #212-60-8669 - HALF-FACE RESPIRATOR - BOILER ROOM	950	.008
07-27-93	8JW-07-010	WORK AREA - BOILER ROOM - IN CENTER OF ROOM	960	.005

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
N/O = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TOTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL:	0.1 F/CC
EPA - RL:	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26160

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-28-93	8JW-07-017	OUTSIDE WORK AREA - BOILER ROOM - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	980	NFO
07-28-93	8JW-07-018	PERSONAL: ALEX CASALDA SS #215-23-6541 - HALF-MASK RESPIRATOR - BOILER ROOM	970	.005
07-28-93	8JW-07-019	WORK AREA - IN CENTER OF BOILER ROOM	970	.004
07-28-93	8JW-07-020	PRE-SAMPLE - TUNNEL CRAWL SPACE - IN CENTER OF RAISED AREA	1050	.007
07-28-93	8JW-07-021	PRE-SAMPLE - CHURCH MECHANICAL ROOM - ON TOP OF AIR HANDLING UNIT	950	.001

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL:	0.1 F/CC
EPA - RL:	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93
CLIENT NO. 1604
PROJECT NO. 2245
REF. NO. 03193

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: ASBESTOS FIBERS
REPORT NO. 26164

METHOD: TRANSMISSION ELECTRON MICROSCOPY (TEM)

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS AS/MM^2
07-29-93	8JW-07-162	BOILER ROOM - CENTER OF AREA - BETWEEN BOILERS	1800	NSD
07-29-93	8JW-07-163	BOILER ROOM - NORTHWEST CORNER - ON LEDGE OF NORTH BOILER	1800	NSD
07-29-93	8JW-07-164	BOILER ROOM - NORTHEAST CORNER - ON LEDGE OF NORTH BOILER	1800	NSD
07-29-93	8JW-07-165	BOILER ROOM - SOUTHEAST CORNER - ON LEDGE OF SOUTH BOILER	1800	NSD
07-29-93	8JW-07-166	BOILER ROOM - SOUTHWEST CORNER	1800	NSD

THESE SAMPLES ARE FINALS

EPA AHERA REGULATIONS REQUIRE 70 AS/MM^2 FOR A FIVE SAMPLE AVERAGE

AHERA = ASBESTOS HAZARD EMERGENCY RESPONSE ACT
AS/MM^2 = ASBESTOS STRUCTURES PER SQUARE MILLIMETER
EPA = ENVIRONMENTAL PROTECTION AGENCY
NSD = NO STRUCTURES DETECTED

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2246

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMOPE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26161

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-29-93	8JW-07-022	WORK/FINAL - INSIDE ROOM - DURING GLOVE BAG ABATEMENT	1140	.003

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH
LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, RES

COLLECTED BY: 11111

air analysis associates, inc.

1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26162

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-30-93	8JW-07-023	OUTSIDE WORK AREA - CRAWL SPACE - AT ENTRANCE TO WORK AREA	1160	.001
07-30-93	8JW-07-024	CRAWL SPACE - PERSONAL: ZEBAL STEPPE SS #216-92-7313 - HALF-MASK RESPIRATOR	1100	.004
07-30-93	8JW-07-025	CRAWL SPACE WORK AREA - ATTACHED TO HORIZONTAL LINE DURING GLOVE BAGGING	1080	.005
07-30-93	8JW-07-026	OUTSIDE WORK AREA - MECHANICAL ROOM - AT ENTRANCE TO CLEAN ROOM OF DECONTAMINATION CHAMBER	1010	.002
07-30-93	8JW-07-027	PERSONAL: JAMES COUGH SS #216-62-1448 - HALF-FACE RESPIRATOR - MECHANICAL ROOM	920	.007
07-30-93	8JW-07-028	WORK AREA - MECHANICAL ROOM - IN CENTER OF AREA	1030	.005

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH

COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, PES

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1005 West 36th Street
Baltimore, Maryland 21211-2416
410-366-0250
FAX: 410-235-6240

LABORATORY ANALYSIS REPORT

CLIENT: BROWN MEMORIAL CHURCH
6200 NORTH CHARLES STREET
BALTIMORE, MD 21212

DATE: 08-03-93

CLIENT NO. 1804

PROJECT NO. 2245

PROJECT SITE: 6200 NORTH CHARLES STREET
BALTIMORE, MD

ANALYTE: AIRBORNE FIBERS

REPORT NO. 26163

SAMPLE DATE	LABORATORY NUMBER	LOCATION	VOLUME (L)	RESULTS F/CC
07-30-93	8JW-07-029	TUNNEL CRAWL SPACE - CENTER OF AREA	800	NFO
07-30-93	8JW-07-030	MECHANICAL ROOM - ON TOP OF LADDER IN CENTER OF AREA	800	.003

THESE SAMPLES ARE FINALS

AL = ACTION LEVEL
EPA = ENVIRONMENTAL PROTECTION AGENCY
L = LITERS
NFO = NO FIBERS OBSERVED IN 100 FIELDS
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
RL = RECOMMENDED LEVEL
TCTQ = TOO CLUTTERED TO QUANTIFY

	TWA
OSHA - PEL:	0.2 F/CC
AL :	0.1 F/CC
EPA - RL :	0.01 F/CC
MARYLAND CLEARANCE LEVEL:	<0.01 F/CC

THE DETECTION LIMIT USING NIOSH 7400 METHOD PHASE CONTRAST MICROSCOPY IS 0.01 FIBERS PER CUBIC CENTIMETER (F/CC) BASED ON TEN OR MORE FIBERS PER 100 FIELDS AND 500 LITERS OF AIR. UNLESS REQUESTED IN WRITING, SAMPLES ARE DESTROYED IN 10 DAYS. ALL CASSETTES USED ARE 25MM DIAMETER UNLESS OTHERWISE NOTED.

ANALYST: J. WARD, IH

COLLECTED BY: 11111

LAB DIRECTOR: IRVIN A. FISCHER, CIH, CSP, REC

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. 4201 | 2. Page 1 of

3. Generator's Name and Mailing Address
ARC Asbestos Removal Co. of MD, Inc.
519-C Pulaski Hwy., Joppa, MD 21085

4. Generator's Phone (410) 679-6062

5. Transporter 1 Company Name
Lowery's Trash Removal, Inc.

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Meadowfill Landfill
Rt. 2, Box 68
Bridgeport, W. VA 26330

10. US EPA ID Number

A. Transporter's Phone (410)547-8070

B. Transporter's Phone

C. Facility's Phone
(304) 842-2784

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
Asbestos ORM-E, NOS - NA 9188				
a. 93-088 North Carroll Middle School/**Carroll County Education** 93-093 New Freedom School/**Carroll County Board of Education**		Double bag 6 mil poly.	10 cy 8 cy	
b. 93-098 South Carroll High School/**Carroll County Education** 93-081 West Middle School/**Carroll County Board of Education**			3 cy 11 cy	
c. 93-100 Elmer Wolfe School/**Carroll County Board of Education** 93-090 William Winchester School/**Carroll County Education**			10 cy 7 cy	
d. 93-061 Brown Memorial Church/**Brown Memorial Church** 93-092 3801 Clifton Avenue/**G. E. Tignall**			5 cy 1 cy	

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

ASBESTOS (air purifying respirators should be worn)

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John N. Thrappas	John N. Thrappas	08	02	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Lowery's Trash Removal, Inc.	J. A. Lowery	08	02	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Anna M. Chatt	Anna M. Chatt	8	4	93

GENERATOR

TRANSPORTER

FACILITY

12-BLS-C5 [illegible]

ORIGINAL-RETURN TO GENERATOR

08.79

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. . . . . | Manifest Document No. 5318 | 2. Page 1 of

3. Generator's Name and Mailing Address
ARC Asbestos Removal Co. of MD, Inc.
P.O. Box 467, Joppa, MD 21085
4. Generator's Phone (410) 335-0700

5. Transporter 1 Company Name: Lowery's Trash Removal, Inc.
6. US EPA ID Number: . . . . .

7. Transporter 2 Company Name:
8. US EPA ID Number: . . . . .

9. Designated Facility Name and Site Address
PST Reclamation, Inc.
4431 Sands Road
Harwood, MD 20776
10. US EPA ID Number: 92-0207-11A

A. Transporter's Phone (410) 547-807(
B. Transporter's Phone
C. Facility's Phone (410) 741-1776

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/V
Asbestos, 9, NA2212, PGIII				
a. 94-076 Beechfield Aprt./**Mrs. Costanene**		Double Bag - 6 mil poly	1 cy	
94-069 MD Historical Society/**MD Historical Society**			37 cy	
92-179 NSA/**STOP Corporation**	. .		.8 cy. .	
b. 97-077 AMerican Legion Post #22/**Property Construction**			2 cy	
94-078 Canterbury Hall Apts./**Corbet Company**			4 cy	
94-075 Damascus High School/**Montgomery Co. Schools**	. .		38 cy. .	
c. 94-080 813 Cedarcroft Road/**Glenn Keller**			2 cy	
94-084 4207 Fernhill Avenue/**Powell's Enterprises**			1 cy	
94-063 Brown Memorial Church/**Brown Memorial Church**	. .		·2·cy ·	
d. 94-088 500 Club Lane/**Mr. Millan**			1 cy	
94-089 Springfield Hospital/**Will Tech, Inc.**			1 cy	
94-082 Cecil Community College/**Cecil Community College**	. .		·2·cy ·	

D. Additional Descriptions for Materials Listed Above
94-085 Rockville HIgh School/**Mongtomery Co. Schools**

E. Handling Codes for Wastes Listed Above
1 cy

15. Special Handling Instructions and Additional Information

CONTAINS ASBESTOS. AIR PURIFYING RESPIRATORS SHOULD BE WORN.

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Wast

Printed/Typed Name	Signature	Month	Day	Ye
John N. Thrappas	John N. Thrappas	05	26	9(

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Ye
Lowery's Trash Removal, Inc.	Rhata M. Cubbage	05	27	9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Ye
		.	.	.

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Ye
TORRENCE LEWIS	Torrence Lewis	05	27	9

ORIGINAL-RETURN TO GENERATOR

'U20

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 5491

2. Page 1 of

3. Generator's Name and Mailing Address
ARC Asbestos Removl Co. of MD, Inc.
P.O. Box 467, Joppa, MD 21085

4. Generator's Phone (410) 335-0700

5. Transporter 1 Company Name: Lowery's Trash Removal, Inc.

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
PST Reclamation, Inc.
4431 Sands Road
Harwood, MD 20776

10. US EPA ID Number: 92-0207-11A

A. Transporter's Phone (410) 547-8070

B. Transporter's Phone

C. Facility's Phone (410) 741-1776

11. Waste Shipping Name and Description: Asbestos, 9, NA2212, PGIII	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. 94-092 N.I.H./**Modern Electric**			½ cy	
94-086 Martin State ~~Airport/MD Aviation Administration~~			½ cy	
94-098 Glyndon Church/**Glyndon Church**			1 cy	
b. 93-061 Browm Memoral Church/**Brown Memorial Church**			½ cy	
94-097 504 E. Lake Avenue/**Ms. Desmond**			½ cy	
94-069 MD Historical Society/**MD Historical Society**			2 cy	
c. 94-103 7115 Rich Hill/**Ms. Dee Schneid**			½ cy	
94-014 315 Overhill /**Ms. Paresce**			½ cy	
94-095 Francis Scott Key School/**Carroll County**			3 cy	
d. 94-075 Damascus High School/**Kimmel & Kimmel**			8 cy	
94-105 1701 Pennsylvania Ave./**Axiom Real Estate**			½ cy	
94-085 Rockville High School/**Cobb Construction**			1 cy	

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

CONTAINS ABSESTOS. AIR PURIFYING RESPIRATORS SHOULD BE WORN.

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
John N. Thrappas	John N. Thrappas	07	07	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Lowery's Trash Removal, Inc.	Rhita M. Cubbage	07	07	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
TORRENCE LEWIS	Torrence Lewis	07	08	94

ORIGINAL-RETURN TO GENERATOR

To Whom It May Concern:

In June, 1991, my firm completed the encapsulation of the asbestos insulation on both boilers as well as the air ducts in the utility rooms in both the East and West Buildings of Brown Memorial Woodbrook Presbyterian Church.

Two coats of Foster's asbestos bridging paint #3232 were applied using the manufacturers specified equipment and methods.

Signature

Charles T. Lilly
96 Mt. De Sales Road
Baltimore, MD 21229